

# WEST Search History

DATE: Friday, August 22, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L25	Asp2 OR BACE1 OR memapsin2	153	L25
L24	L21 AND memapsin2	0	L24
L23	L21 AND BACE1	0	L23
L22	L21 AND Asp2	8	L22
L21	((530/300  530/350 )!.CCLS. )	13215	L21
L20	L17 AND memapsin2	0	L20
L19	L17 AND BACE1	1	L19
L18	L17 AND Asp2	25	L18
L17	((435/69.1  435/183  435/325  435/366 )!.CCLS. )	22054	L17
L16	L13 AND memapsin2	0	L16
L15	L13 AND BACE1	0	L15
L14	L13 AND Asp2	12	L14
L13	((536/23.1  536/23.4  536/23.5 )!.CCLS. )	15258	L13
L12	Parodi-Luis.IN.	0	L12
L11	Parodi-L.IN.	0	L11
L10	Parodi.IN.	326	L10
L9	Heinrikson-Robert.IN.	0	L9
L8	Heinrikson-R.IN.	0	L8
L7	Heinrikson.IN.	31	L7
L6	Bienkowski-M.IN.	0	L6
L5	Bienkowski-Michael.IN.	0	L5
L4	Bienkowski.IN.	51	L4
L3	Gurney.IN.	2148	L3
L2	Gurney-M.IN.	5	L2
L1	(Gurney-Mark.IN.)	6	L1

END OF SEARCH HISTORY

Connecting via winsock to STN  
Welcome to STN International! \* \* \* \* \*  
\* \* \* \* \* Welcome to STN International \* \* \* \* \*  
\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:12:32 ON 22 AUG 2003

=> file CAPLUS

=> s BACE1 OR memapsin2 OR Asp2

105 BACE1  
2 MEMAPSN2  
142 ASP2

L1 241 BACE1 OR MEMAPSN2 OR ASP2

=> DUP REM 11

PROCESSING COMPLETED FOR L1

L2 241 DUP REM L1 (0 DUPLICATES REMOVED)

=> s L2 AND aspartyl protease

L3 241 S L2  
4652 ASPARTYL  
5 ASPARTYLS  
4655 ASPARTYL  
(ASPARTYL OR ASPARTYLS)  
76743 PROTEASE  
29216 PROTEASES  
90091 PROTEASE  
(PROTEASE OR PROTEASES)  
571 ASPARTYL PROTEASE  
(ASPARTYL(W)PROTEASE)

L4 13 L3 AND ASPARTYL PROTEASE

=> D L4 1-13

L4 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2003:647441 CAPLUS

TI Antagonistic Effects of .beta.-Site Amyloid Precursor Protein-cleaving  
Enzymes 1 and 2 on .beta.-Amyloid Peptide Production in Cells

AU Basi, Guriqbal; Frigon, Normand; Barbour, Robin; Doan, Tam; Gordon, Grace;  
McConlogue, Lisa; Sinha, Sukanto; Zeller, Michelle

CS Elan Pharmaceuticals, South San Francisco, CA, 94080, USA

SO Journal of Biological Chemistry (2003), 278(34), 31512-31520

CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

L4 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2003:421176 CAPLUS

TI .beta.-Secretase Cleavage at Amino Acid Residue 34 in the Amyloid .beta.  
Peptide Is Dependent upon .gamma.-Secretase Activity

AU Shi, Xiao-Ping; Tugusheva, Katherine; Bruce, James E.; Lucka, Adam; Wu,  
Guo-Xin; Chen-Dodson, Elizabeth; Price, Eric; Li, Yueming; Xu, Min; Huang,  
Qian; Sardana, Mohinder K.; Hazuda, Daria J.

CS Department of Biological Chemistry, Merck Research Laboratories, West  
Point, PA, 19486, USA

SO Journal of Biological Chemistry (2003), 278(23), 21286-21294

CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:225500 CAPLUS

DN 136:367771

TI Expression of human .beta.-secretase in the mouse brain increases the  
steady-state level of .beta.-amyloid

AU Bodendorf, Ursula; Danner, Simone; Fischer, Frauke; Stefani, Muriel;  
Sturchler-Pierrat, Christine; Wiederhold, Karl-Heinz; Staufenbiel,  
Matthias; Paganetti, Paolo

CS Nervous System, Novartis Pharma AG, Basel, CH-4002, Switz.

SO Journal of Neurochemistry (2002), 80(5), 799-806

CODEN: JONRA9; ISSN: 0022-3042

PB Blackwell Publishing Ltd.

DT Journal  
LA English  
RE.CNT 28

THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2001:728889 CAPLUS  
DN 136:17205

TI The transmembrane domain of the Alzheimer's .beta.-secretase (  
\*\*\*BACE1\*\*\* ) determines its late Golgi localization and access to  
.beta.-amyloid precursor protein (APP) substrate  
AU Yan, Riqiang; Han, Ping; Miao, Huiyi; Greengard, Paul; Xu, Huaxi  
CS Department of Cell & Molecular Biology, Pharmacia Corporation, Kalamazoo,  
MI, 49007, USA  
SO Journal of Biological Chemistry (2001), 276(39), 36788-36796  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English

RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2001:678676 CAPLUS  
DN 135:340729

TI BACE2 functions as an alternative .alpha.-secretase in cells  
AU Yan, Riqiang; Munzner, Jennifer B.; Shuck, Mary E.; Bienkowski, Michael J.  
CS Department of Cell and Molecular Biology, Pharmacia Corporation,  
Kalamazoo, MI, 49007, USA  
SO Journal of Biological Chemistry (2001), 276(36), 34019-34027  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2001:525847 CAPLUS  
DN 135:104271

TI Alzheimer's disease-associated .beta.-secretase and amyloid precursor  
protein substrates and their therapeutic uses  
IN Bienkowski, Michael Jerome; Gurney, Mark E.; Heinrikson, Robert Leroy;  
Parodi, Luis A.; Yan, Riqiang  
PA USA  
SO PCT Int. Appl., 185 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001050829	A2	20010719	WO 2001-IB799	20010509
	W: US				
PRAI	US 1999-416901	A1	19991013		

L4 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2001:507467 CAPLUS  
DN 135:104269

TI Alzheimer's disease-associated .beta.-secretase and amyloid precursor  
protein substrates and their therapeutic uses  
IN Bienkowski, Michael Jerome; Gurney, Mark E.; Heinrikson, Robert Leroy;  
Parodi, Luis A.; Yan, Riqiang  
PA USA  
SO PCT Int. Appl., 185 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001049098	A2	20010712	WO 2001-IB798	20010509
	W: US				
PRAI	US 1999-416901	A1	19991013		

L4 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:507466 CAPLUS  
DN 135:104268  
TI Alzheimer's disease-associated .beta.-secretase and amyloid precursor  
protein substrates and their therapeutic uses  
IN Bienkowski, Michael Jerome; Gurney, Mark E.; Heinrikson, Robert Leroy;  
Parodi, Luis A.; Yan, Riqiang  
PA USA  
SO PCT Int. Appl., 185 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001049097	A2	20010712	WO 2001-IB797	20010509
	W: US				
	US 2003077226	A1	20030424	US 2001-869414	20010627
PRAI	US 1999-416901	A1	19991013		
	WO 2001-IB797	W	20010509		

L4 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2001:472906 CAPLUS  
DN 135:89143  
TI Cloning, sequencing and therapeutic use of mammalian \*\*\*aspartyl\*\*\*  
\*\*\*proteases\*\*\*  
IN Kaser, Matthew R.; Cocks, Benjamin G.; Loring, Jeanne; Tang, Y. Tom; Yue,  
Henry  
PA Incyte Genomics, Inc., USA  
SO PCT Int. Appl., 102 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001046398	A2	20010628	WO 2000-US33743	20001212
	WO 2001046398	A3	20020110		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,				
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				
	BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2002169304	A1	20021114	US 1999-470954	19991222
	EP 1252299	A2	20021030	EP 2000-984290	20001212
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	US 1999-470954	A2	19991222		
	WO 2000-US33743	W	20001212		

L4 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2001:247466 CAPLUS  
DN 134:277406  
TI Cloning and characterization of mammalian secretase isoenzymes, their  
amyloid precursor protein substrates, and uses for treatment or prevention  
of Alzheimer's disease  
IN Gurney, Mark; Bienkowski, Michael Jerome  
PA Pharmacia & Upjohn Company, USA  
SO PCT Int. Appl., 189 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001023533	A2	20010405	WO 2000-US26080	20000922
	WO 2001023533	A3	20020510		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,				
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
WO 2000017369 A2 20000330 WO 1999-US20881 19990923  
WO 2000017369 A3 20001123

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1224297 A2 20020724 EP 2000-965338 20000922

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL

PRAI US 1999-155493P P 19990923  
US 1999-404133 A 19990923  
WO 1999-US20881 A2 19990923  
US 1999-416901 A2 19991013  
US 1999-169232P P 19991206  
US 1998-101594P P 19980924  
WO 2000-US26080 W 20000922

L4 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2000:603461 CAPLUS  
DN 133:280000

TI BACE2, a .beta.-secretase homolog, cleaves at the .beta. site and within the amyloid-.beta. region of the amyloid-.beta. precursor protein

AU Farzan, Michael; Schnitzler, Christine E.; Vasilieva, Natalya; Leung, Doris; Choe, Hyeryun

CS Department of Cancer Immunology and AIDS, Dana-Farber Cancer Institute, Boston, MA, 02115, USA

SO Proceedings of the National Academy of Sciences of the United States of America (2000), 97(17), 9712-9717

CODEN: PNASA6; ISSN: 0027-8424

PB National Academy of Sciences

DT Journal

LA English

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2000:210393 CAPLUS  
DN 132:249585

TI The \*\*\*ASP2\*\*\* gene encoding the membrane-anchored aspartic protease .beta.-secretase associated with amyloid processing in Alzheimer's disease

IN Gurney, Mark E.; Bienkowski, Michael Jerome; Heinrikson, Robert Leroy; Parodi, Luis A.; Yan, Riqiang

PA Pharmacia & Upjohn Company, USA

SO PCT Int. Appl., 183 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000017369	A2	20000330	WO 1999-US20881	19990923
	WO 2000017369	A3	20001123		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2343004 AA 20000330 CA 1999-2343004 19990923

AU 9961418 A1 20000410 AU 1999-61418 19990923

EP 1115874 A2 20010718 EP 1999-948189 19990923

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

BR 9913920 A 20011106 BR 1999-13920 19990923

JP 2002526081 T2 20020820 JP 2000-574268 19990923

US 6420534	B1	20020716	US 2000-548372	20000412
US 6440698	B1	20020827	US 2000-548367	20000412
US 2003104365	A1	20030605	US 2000-548366	20000412
US 6500667	B1	20021231	US 2000-551853	20000418
WO 2001023533	A2	20010405	WO 2000-US26080	20000922
WO 2001023533	A3	20020510		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
GB 2357767	A1	20010704	GB 2000-23315	20000922
GB 2357767	B2	20020821		
GB 2367060	A1	20020327	GB 2001-25934	20000922
GB 2367060	B2	20030604		
EP 1224297	A2	20020724	EP 2000-965338	20000922
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
EP 1249498	A2	20021016	EP 2002-15537	20000922
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
US 2001016324	A1	20010823	US 2001-794927	20010227
US 2001021391	A1	20010913	US 2001-794743	20010227
US 2002037315	A1	20020328	US 2001-794748	20010227
US 2002064819	A1	20020530	US 2001-794925	20010227
US 2001018208	A1	20010830	US 2001-795847	20010228
NO 2001001505	A	20010523	NO 2001-1505	20010323
US 2002081634	A1	20020627	US 2001-681442	20010405
PRAI US 1998-101594P	P	19980924		
GB 2000-23315	A3	19990923		
US 1999-155493P	P	19990923		
US 1999-404133	A2	19990923		
WO 1999-US20881	W	19990923		
US 1999-416901	A3	19991013		
US 1999-169232P	P	19991206		
EP 2000-965338	A3	20000922		
WO 2000-US26080	W	20000922		

L4 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1999:816597 CAPLUS

DN 132:206448

TI Membrane-anchored \*\*\*aspartyl\*\*\* \*\*\*protease\*\*\* with Alzheimer's disease .beta.-secretase activity

AU Yan, Riqiang; Bienkowski, Michael J.; Shuck, Mary E.; Miao, Huiyi; Tory, Monica C.; Pauley, Adele M.; Brashler, John R.; Stratman, Nancy C.; Mathews, W. Rodney; Buhl, Allen E.; Carter, Donald B.; Tomasselli, Alfredo G.; Parodi, Luis A.; Heinrikson, Robert L.; Gurney, Mark E.

CS Cell & Molecular Biology, Genomics, Protein Sciences, Pharmacology, Structural, Analytical & Medicinal Chemistry and Neurobiology, Pharmacia & Upjohn, Inc., Kalamazoo, MI, 49007, USA

SO Nature (London) (1999), 402(6761), 533-537

CODEN: NATUAS; ISSN: 0028-0836

PB Macmillan Magazines

STN INTERNATIONAL LOGOFF AT 15:14:41 ON 22 AUG 2003